| Ii | ndex | of Cla | aims |  |
|----|------|--------|------|--|
|    |      |        |      |  |

09/475,963

Examiner

BUIS ET AL.

Applicant(s)/Patent under Reexamination

Art Unit

Matthew J. Ludwig

2178

| <b>√</b> | Rejected |
|----------|----------|
| 11       | Allowed  |

| 1 | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| _ |                                |

Restricted

| Non-Elected |  |
|-------------|--|
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Interference

| Α | Appeal   |  |  |  |  |  |
|---|----------|--|--|--|--|--|
| 0 | Objected |  |  |  |  |  |

|             |          | <u> </u>   |              |          |  |              | J            |  |          |          |   |            |          |                    |   |   |          | J  |                | ـــــا     |  |              |
|-------------|----------|------------|--------------|----------|--|--------------|--------------|--|----------|----------|---|------------|----------|--------------------|---|---|----------|--|----------------|------------|--|--------------|
|             | aim      |            |              |          | _  | Date         |              |  |          |          | 1 | Cla        | aim      | Γ                  |   |   | -        | Date   |                |            |  |              |
| Cic         | , iiii   | ├          | _            | _        | _  | l            |              | _  | Γ        | 1        | 1 | Cic        |          | Н                  | - | _ | <u> </u> |  | _              | _          | Г  | Т            |
| Final       | Original | 12/6/05    |              |          |  |              |              |  |          |          |   | Final      | Original |                    |   |   |          | <u>.</u>   |                |            |  |              |
|             | 1        | 1          | -            | ┢        |  |              | $\vdash$     | $\vdash$   | $\vdash$ |          | 1 |            | 51       | H                  |   |   | <u> </u> | -  | ┢              |            | <del> </del>                                     | t            |
|             | 2        | V          |              |          |  |              |              | <del>                                     </del> | -        | -        | 1 |            | 52       | Ħ                  |   | _ |          | _  | -              |            | Т  | T            |
|             | 3        | 1          |              |          |  |              | Ħ            | <u> </u>   |          |          | 1 |            | 53       |                    |   |   |          |  | Г              |            | Г  | T            |
|             | 4        | 1          |              |          |  |              |              | Τ  |          |          | 1 |            | 54       |                    |   |   |          |  |                |            | Г  | Г            |
|             | 5        | 1          |              |          |  |              |              |  |          |          | 1 |            | 55       | П                  |   |   |          |  |                |            | Г  | Γ            |
|             | 6        | 1          |              |          |  |              |              |  |          |          | ] |            | 56       |                    |   |   |          |  |                |            |  |              |
|             | 7        | 1          |              |          |  |              |              |  |          |          |   |            | 57       |                    |   |   |          |  |                | Ĺ          | L  | L            |
|             | 8        | 1          |              |          |  |              |              |  | _        |          |   |            | 58       | Ш                  |   |   |          |  | L              |            | ╙  | L            |
|             | 9        | V          |              |          |  |              | <u> </u>     |  |          | L_       |   |            | 59       | Ш                  |   |   | ļ.,      |  | L              |            | $oldsymbol{oldsymbol{oldsymbol{eta}}}$           | ↓.           |
|             | 10       | 1          |              |          |  | _            |              | _  |          |          |   |            | 60       |                    |   |   | _        |  |                |            | ╙  | <u> </u>     |
| <u> </u>    | 11       | 1          |              |          | <u> </u>   | _            | L            |  | _        |          | 1 |            | 61       | <u> </u>           |   |   | L        | _  |                |            | Ļ  | ╄            |
|             | 12       | 1          | <u> </u>     |          |  | _            | _            |  | _        | _        |   | ļ          | 62       |                    |   |   |          |  | _              | L.         | -  | ╁            |
| <u> </u>    | 13       | 1          | <u> </u>     |          | ļ  | _            |              |  | _        | _        | - | <b> </b> - | 63       |                    |   |   |          |  |                | ļ          | ├  | ╀            |
| <u> </u>    | 14       | <b>√</b>   | <u> </u>     |          | <u> </u>   | _            | -            | _  | _        | <u> </u> | - | ļ          | 64       | $\vdash$           |   |   |          |  | <del> </del> - | <b> </b> - | ⊬  | ┾            |
| -           | 15       | 1          | <del> </del> |          | $\vdash$   |              | $\vdash$     | <del> </del>                                     |          | ├        | 1 |            | 65       | $\vdash$           |   |   | $\vdash$ | -  |                |            | ┢  | ╁            |
| -           | 16<br>17 | V          | ┝            | -        |  | ⊢            | -            |  | ┢        | -        | 1 |            | 66<br>67 | $\vdash$           | _ |   |          | ├  | ├              | -          | ⊢  | ╁            |
| <b>├</b> ── | 18       | <u> </u>   | ├            | -        | $\vdash$   | $\vdash$     | $\vdash$     | ⊢  | ├        |          | ┨ |            | 68       | $\vdash$           |   |   | -        | -  | <del> </del>   | 1          | ╁  | ╁            |
| -           | 19       | 1          | $\vdash$     | -        | ├  | <del> </del> | -            | ├  | ┝        |          | ł |            | 69       | ┝─┤                | _ |   |          | $\vdash$   | $\vdash$       | ╁─         | <del> </del>                                     | ╁            |
| -           | 20       | V          |              |          | ⊢  | <del> </del> |              |  | -        | -        | ł |            | 70       | $\vdash$           |   |   |          | ┝  |                | <u> </u>   | <del>                                     </del> | +            |
|             | 21       | <b>├</b> ` | -            |          |  | <del> </del> | -            |  |          | -        | 1 |            | 71       |                    |   |   |          | $\vdash$   | $\vdash$       | $\vdash$   | $\vdash$   | ╁            |
|             | 22       | -          | -            |          | ┢╌   |              | $\vdash$     | 1  | $\vdash$ |          | 1 |            | 72       |                    |   |   |          |  |                |            | ├-   | T            |
|             | 23       |            | $\vdash$     | _        | <del>                                     </del> | <u> </u>     |              |  | $\vdash$ | Н        | 1 | <b></b>    | 73       | $\Box$             |   |   |          |  |                | † —        | <del>                                     </del> | T            |
|             | 24       | 1          | $\vdash$     |          | 1  |              |              |  |          |          | 1 |            | 74       | H                  |   | _ | -        |  | $\vdash$       | T-         | T  | T            |
|             | 25       |            |              |          |  |              | l            |  |          | _        | 1 |            | 75       | П                  |   |   |          | ĺ  |                |            | T  | T            |
|             | 26       |            |              |          | Г  |              | П            |  |          |          | 1 |            | 76       |                    |   |   |          |  |                |            |  | Τ            |
|             | 27       |            |              |          | <u> </u>   |              |              |  |          |          | 1 |            | 77       |                    |   |   |          |  |                |            |  | Γ            |
|             | 28       |            |              |          |  |              |              |  |          |          | ] |            | 78       |                    |   |   |          |  |                |            | L  | Γ            |
|             | 29       |            |              |          |  |              |              |  |          |          | ] |            | 79       |                    |   |   |          |  |                |            |  |              |
|             | 30       |            |              |          |  |              |              |  |          | <u></u>  | ] |            | 80       |                    |   |   |          | <u> </u>   |                | _          | L  | L            |
|             | 31       |            | _            | L        |  | <u> </u>     |              |  |          | <u> </u> | 1 |            | 81       | Ш                  |   |   | L        | <u> </u>   | _              | L          | L  | L            |
| <u> </u>    | 32       | _          |              |          | ╙  | <u> </u>     |              |  |          | ļ        |   |            | 82       | Ш                  |   |   | <u> </u> | <u> </u>   | ļ              | ļ          | <u> </u>   | 1            |
| <u> </u>    | 33       |            | _            |          | _  | <u> </u>     | ļ            | _  | L        | _        |   |            | 83       | -                  |   |   | <u> </u> | <u> </u>   | ļ_             | _          | ــــ   | ╄-           |
|             | 34       |            | <u> </u>     | <u> </u> | ┡  | <u> </u>     | <u> </u>     | L  | -        | <u> </u> | ļ |            | 84       | $\square$          |   |   | -        | -  | ļ              | ⊢          | ⊢  | ╀            |
|             | 35       |            | _            | _        | ┝  | <u> </u>     | ├            | _  | Ь        | <u> </u> | ł | <u> </u>   | 85       | $\vdash \vdash$    |   |   | ┢        | ┝  | ├              | ⊢          | ⊢  | ╀            |
|             | 36       | -          |              | -        | ├-   | <u> </u>     |              | -  |          | $\vdash$ | ┨ |            | 86<br>87 | $\left  - \right $ | _ |   |          | -  | -              | ├          | ├  | ╀            |
|             | 37       |            | -            |          | -  | ├            | -            |  | -        |          | 1 | <u> </u>   | 88       | H                  |   |   | ┢        | $\vdash$   | ├              | ├          | ⊢  | ╁            |
|             | 38<br>39 | -          | -            | ⊢        | ⊢  |              |              | $\vdash$   | -        | -        | ┨ |            | 89       | $\vdash$           | _ | _ | ₩        | -  | ┢              | ┢          | ╁  | ╁            |
|             | 40       |            |              | $\vdash$ | ├-   | -            | -            | -  |          | -        | 1 |            | 90       | $\vdash$           |   |   | $\vdash$ | $\vdash$   | $\vdash$       | ╁┈         | ╆  | ╁            |
|             | 41       |            |              |          | <del> </del>                                     | 1            | <del> </del> | $\vdash$   |          |          | 1 |            | 91       | $\vdash$           |   |   | $\vdash$ | ┢  | $\vdash$       | ├-         | ╁┈   | ╆            |
|             | 42       | $\vdash$   | $\vdash$     | -        | $\vdash$   | t            | t            |  |          | $\vdash$ | 1 |            | 92       | H                  | _ |   | $\vdash$ | <del>                                     </del> | 1              | ╁          | t  | t            |
|             | 43       |            |              | Н        | $\vdash$   | T            | $\vdash$     |  |          |          | 1 |            | 93       |                    |   | _ |          | T  | Т              | T          | $\vdash$   | $^{\dagger}$ |
|             | 44       | I          | Н            | Г        | 1  | t            | t            |  | †  -     |          | 1 | <u> </u>   | 94       | $\vdash$           |   |   | Г        | 1  | Π              | T          | T  | T            |
|             | 45       | П          |              | 1        | 1  | Ť            | T            |  |          | I        | 1 |            | 95       | П                  |   |   | Π        | Π  | Π              | Τ          | $\sqcap$   | $\top$       |
|             | 46       |            |              |          |  | 1            |              | 1  | 1        | П        | 1 |            | 96       | П                  |   |   | Γ        |  |                |            |  | Γ            |
|             | 47       | П          |              | ı        | Γ  |              |              |  |          |          | 1 |            | 97       |                    |   |   |          |  |                |            | L  | Γ            |
|             | 48       |            |              |          | L  |              |              | L  |          |          | ] |            | 98       |                    |   |   | $\Box$   |  |                |            |  | Γ            |
|             | 49       |            |              |          |  |              |              |  |          |          |   |            | 99       |                    |   |   |          |  |                |            |  | Γ            |
|             | 50       |            |              |          |  |              |              |  |          |          | ] |            | 100      |                    |   |   |          |  |                |            |  |              |
|             |          |            |              |          |  |              |              |  |          |          | - |            |          |                    |   |   |          |  |                |            |  |              |

| Cla      | aim      | Date      |  |  |              |  |              |  |  |              |  |
|----------|----------|-----------|--|--|--------------|--|--------------|--|--|--------------|--|
| <u> </u> | 1        |           |  |  | ΠĪ           |  |              |  |  |              |  |
| Final    | Original |           |  |  |              |  |              |  |  |              |  |
|          | 51<br>52 |           |  |  |              |  |              |  | -  |              |  |
|          | 52       |           |  |  |              |  |              |  |  |              |  |
|          | 53       |           | _  |  |              |  |              |  |  |              |  |
| -        | 54       |           | _  | -  |              |  |              |  |  | _            |  |
|          | 55       |           |  |  |              | -  | -            |  |  | <del>-</del> |  |
| -        | 56       |           |  | _  |              | -  | -            |  |  | <del> </del> |  |
|          | 57       |           |  | _  |              | -  |              | _  | $\vdash$   |              |  |
| <u> </u> |          |           |  | _  |              | _  | _            | _  | _  |              |  |
|          | 58       |           |  |  |              | _  | _            |  |  |              |  |
|          | 59       |           | _  |  |              |  |              |  |  |              |  |
| -        | 60       |           | _  |  |              | _  |              |  | $\vdash$   |              |  |
|          | 61       | _         |  | _  |              |  |              | _  | <u> </u>   |              |  |
|          | 62       | -         | $\vdash$   | $\vdash$   |              | $\vdash$   | _            |  |  | -            |  |
|          | 63       | $\square$ |  |  |              |  |              |  | <u> </u>   | _            |  |
| -        | 64       | Н         | $\vdash$   | <u> </u>   |              | ļ  |              |  | $\vdash$   | _            |  |
|          | 65       | Ш         | _  | <u> </u>   | $\vdash$     | $\vdash$   | $\vdash$     |  | $\vdash$   | <u> </u>     |  |
|          | 66       |           |  |  |              | <u> </u>   |              |  |  |              |  |
|          | 67       |           | L  |  |              | _  |              |  |  |              |  |
|          | 68       |           |  |  |              |  |              | _  |  |              |  |
| -        | 69       |           | _  |  |              | _  |              |  |  |              |  |
| -        | 70       | _         | _  |  |              | $\vdash$   | _            |  |  |              |  |
| -        | 71       |           |  |  |              |  |              |  |  |              |  |
|          | 72<br>73 | -         |  |  |              |  |              |  | _  | -            |  |
|          | 74       |           |  | _  |              | <u> </u>   | _            |  |  |              |  |
| -        | 75       |           | -  |  | -            | -  |              |  |  | ⊢            |  |
| -        | 76       | -         | -  |  | $\vdash$     |  |              |  |  |              |  |
|          | 77       |           |  | $\vdash$   | $\vdash$     |  |              |  |  | -            |  |
|          | 78       | -         | $\vdash$   | H  | $\vdash$     |  | _            |  |  | ┝            |  |
| }        | 79       |           | $\vdash$   | -  |              |  |              | -  |  | ┢            |  |
| <b> </b> | 80       | -         | $\vdash$   | -  |              |  |              |  |  | ┝            |  |
|          | 81       |           | -  | -  | -            | -  |              | H  | H  | -            |  |
|          | 82       | $\vdash$  | $\vdash$   | ⊢  |              | <del> </del>                                     | -            | <u> </u>   | $\vdash$   | $\vdash$     |  |
| -        | 83       | $\vdash$  | $\vdash$   | -  | -            | $\vdash$   | <del> </del> | <del>                                     </del> | -  | ┝            |  |
|          | 84       | -         | $\vdash$   | $\vdash$   | ├─           |  | -            |  | Η-   |              |  |
|          | 85       | $\vdash$  | <del>                                     </del> | -  | -            | $\vdash$   |              | $\vdash$   | $\vdash$   | $\vdash$     |  |
| -        | 86       | $\vdash$  | -  | -  | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$   | $\vdash$   | $\vdash$     |  |
|          | 86<br>87 | $\vdash$  | -  | $\vdash$   | $\vdash$     |  | -            | -  |  | ├-           |  |
| -        | 88       | H         | $\vdash$   | $\vdash$   | $\vdash$     | H  | -            |  | <del>                                     </del> | $\vdash$     |  |
|          | 89       | $\vdash$  | <del>                                     </del> | $\vdash$   | <del> </del> | ┢  |              | $\vdash$   | $\vdash$   |              |  |
|          | 90       | $\vdash$  | <del>                                     </del> | $\vdash$   | $\vdash$     | t  |              | $\vdash$   | Ι  | Ι-           |  |
|          | 91       | Н         |  | $\vdash$   | $\vdash$     | <del>                                     </del> | $\vdash$     |  |  | $\vdash$     |  |
|          | 92       | Н         | -  | _  |              | <u> </u>   | Т            | <del>                                     </del> |  | T            |  |
|          | 93       | Н         | $\vdash$   | <del>                                     </del> |              |  |              | $\vdash$   |  | Г            |  |
|          | 94       |           | $\vdash$   |  | Г            | <del>                                     </del> | Т            | $\vdash$   | <u> </u>   |              |  |
|          | 95       |           | $\vdash$   | $\vdash$   |              |  |              | $\vdash$   |  | Г            |  |
|          | 96       | Г         | _  |  |              |  |              |  |  |              |  |
|          | 97       | П         |  |  |              |  | _            |  |  | Г            |  |
|          | 98       | П         | _  | _  |              |  |              |  |  |              |  |
|          | 99       |           | $\vdash$   |  |              |  | Г            | T  | Г  | Г            |  |
|          | 100      |           |  |  |              |  | _            | Г  |  |              |  |

| CI   | aim                                    | Date   |          |  |              |  |  |          |  |          |  |  |
|--|--|--|----------|--|--------------|--|--|----------|--|----------|--|--|
|  |  |  |          |  |              |  |  |          |  |          |  |  |
| Final  | Original                               |  |          |  |              |  |  |          |  |          |  |  |
|  | 101                                    |  |          |  |              |  |  |          |  |          |  |  |
|  | 102<br>103                             |  |          |  |              |  |  |          |  | Щ        |  |  |
|  | 103                                    |  |          | <u>_</u>   |              |  | _  |          |  | Ш        |  |  |
|  | 104<br>105                             |  |          |  | _            |  | _  |          |  | Н        |  |  |
|  | 105                                    |  |          |  |              |  | _  | _        | -  |          |  |  |
|  | 106                                    |  |          |  |              |  | _  | _        |  |          |  |  |
|  | 107<br>108<br>109                      |  |          |  |              | _  | -  | _        | -  | -        |  |  |
|  | 100                                    | _  |          |  |              |  | -  |          | $\vdash$   | Н        |  |  |
|  | 110                                    |  | _        |  |              | _  | -  |          | Н  | Н        |  |  |
|  | 110<br>111                             |  |          | $\vdash$   | -            | -  | H-   | H        |  | Н        |  |  |
|  | 112                                    | Н  | _        | <del> </del>                                     |              | Н  |  | Н        | $\vdash$   | Н        |  |  |
|  | 113                                    |  |          | <u> </u>   |              |  | П  | П        |  | $\vdash$ |  |  |
|  | 112<br>113<br>114<br>115<br>116<br>117 |  |          |  |              |  |  |          |  |          |  |  |
|  | 115                                    |  |          |  |              |  |  |          |  |          |  |  |
|  | 116                                    |  |          |  |              | L.   |  | <u> </u> | <u> </u>   | Щ        |  |  |
|  | 117                                    |  |          |  |              |  |  |          |  |          |  |  |
|  | 118<br>119                             |  |          |  |              |  |  | _        | L  |          |  |  |
|  | 119                                    |  |          |  |              | _  |  |          | _  |          |  |  |
|  | 120<br>121<br>122<br>123<br>124<br>125 |  |          | <u> </u>   |              | _  |  |          | <u> </u>   |          |  |  |
|  | 121                                    |  | _        |  | _            | _  |  | _        | <u> </u>   |          |  |  |
|  | 122                                    | $\vdash$   |          | <u> </u>   | _            |  | $\vdash$   |          | <u> </u>   |          |  |  |
|  | 123                                    |  |          |  |              | H  | -  |          |  | $\vdash$ |  |  |
|  | 124                                    |  | -        |  |              | Ь—   |  | -        |  | Н        |  |  |
|  | 125                                    |  |          | <del>                                     </del> |              |  | <del> </del>                                     |          | -  | H        |  |  |
|  | 127                                    |  |          | -  | -            | <del>                                     </del> | $\vdash$   |          |  |          |  |  |
|  | 126<br>127<br>128<br>129<br>130        |  |          |  |              |  | $\vdash$   |          | -  |          |  |  |
|  | 129                                    |  |          |  |              |  | -  |          |  | П        |  |  |
|  | 130                                    |  |          |  |              |  | _  |          |  |          |  |  |
|  | 131                                    |  |          |  |              | $\vdash$   | $\overline{}$                                    |          |  |          |  |  |
|  | 131<br>132                             |  |          |  |              |  |  |          |  |          |  |  |
|  | 133                                    |  |          |  |              |  |  |          |  |          |  |  |
|  | 134<br>135                             |  |          |  |              |  |  | L        |  |          |  |  |
|  | 135                                    | <u> </u>   | _        | _  |              | _  |  |          |  | Ш        |  |  |
|  | 136                                    |  |          | <u> </u>   |              | <u> </u>   | <u> </u>   | <u> </u> | <u> </u>   | Щ        |  |  |
| <u> </u>   | 137                                    | $oxed{oxed}$                                     |          | _  |              | <u> </u>   | <u> </u>   | <u> </u> | <b> </b>   | Щ        |  |  |
| <u> </u>   | 138                                    | -  | -        | <del> </del>                                     | <u> </u>     | <u> </u>   | -  | _        | _  | Н        |  |  |
|  | 139<br>140                             | $\vdash$   |          | <del> </del>                                     | _            | <u> </u>   | <u> </u>   | $\vdash$ | <u> </u>   | $\vdash$ |  |  |
| <u> </u>   | 141                                    | -  | -        | $\vdash$   | ⊢            | -  |  |          | ⊢  | $\vdash$ |  |  |
|  | 142                                    | $\vdash$   | -        | <del>                                     </del> | -            | $\vdash$   | ├-   | $\vdash$ | $\vdash$   | H        |  |  |
|  | 143                                    | $\vdash$   | -        |  |              |  | -  | $\vdash$ | $\vdash$   | Н        |  |  |
| <del> </del>                                     | 144                                    | <del>                                     </del> |          | $\vdash$   |              |  | <del>  -</del>                                   | $\vdash$ | <del>                                     </del> | Н        |  |  |
| <del>                                     </del> | 145                                    | $\vdash$   |          | $\vdash$   | <del> </del> | <del>                                     </del> | <del>                                     </del> | $\vdash$ |  | Н        |  |  |
|  | 146                                    | l  | $\vdash$ | <del>                                     </del> | Ι-           | <del>                                     </del> |  |          |  | Н        |  |  |
|  | 147                                    | <u> </u>   |          |  |              |  |  |          |  | П        |  |  |
| <b></b> -  | 148                                    | Г  | · · ·    | _  |              |  |  |          |  |          |  |  |
|  | 149                                    |  |          |  |              |  |  |          |  |          |  |  |
|  | 150                                    |  |          |  | Ĺ            |  |  |          |  |          |  |  |